

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ekstrand, et al.
 Serial No. : 09/622,745
 Filed : August 22, 2000
 For : New Methods
 Examiner : TBA
 Group Art Unit : TBA

3

I hereby certify that this paper is being deposited
 with the United States Postal Service as
 first class mail in an envelope addressed to:
 Assistant Commissioner for Patents
 Washington, D.C. 20231.

John M. Genova 32,224
 Attorney Name PTO Reg. No.

John M. Genova 6 June 2001
 Signature Date of Signature

BOX PCT (Att: SEQUENCE LISTING)

The Assistant Commissioner for Patents
 Washington, D.C. 20231

LETTER

Sir:

This communication is in response to the Notification of Missing Requirements under
 35 U.S.C. §371 in the United States Designated/Elected Office and the accompanying
 Notification to Comply with Requirements for Patent Applications Containing Nucleotide
 Sequence and/or Amino Acid Sequence Disclosures (the "Notifications"), mailed May 25, 2001.
 A copy of each the Notifications is attached.

Applicants submit that the submission of this Letter is timely and within the statutory period. Moreover, the Letter is fully responsive to the Notifications.

The Notifications indicate that the application fails to comply with the requirements of 37 C.F.R. §§1.821-1.825. Therefore, Applicants are required to provide an initial or substitute computer readable form ("CRF") of the Sequence Listing and a statement that the contents of the substitute paper or compact disc and the CRF are the same and, where applicable, do not introduce new matter.

Applicants respectfully submit that a CRF of the of the Sequence Listing was filed concurrently with the application papers submitted under 35 U.S.C. §371 on 22 August 2000. The return postcard bearing the PCT/PTO stamp shows that a CRF of the Sequence Listing was submitted in diskette format and received by the PCT/PTO mailroom as part of the application papers. A copy of the return postcard is attached. Therefore, the error appears to be on the part of the PCT/PTO and not Applicants.

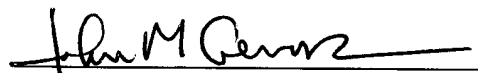
However, to facilitate processing of the present application, Applicants submit the enclosed substitute paper copy and CRF of the Sequence Listing. The substitute paper copy and CRF have been updated to include the respective International and U.S. national stage application serial numbers and filing dates in connection with the present application.

In compliance with 37 C.F.R. §1.821(e), Applicants hereby state that the contents of the substitute paper copy and the substitute CRF of the Sequence Listing submitted herewith are the same and include no new matter.

No fees should be due in connection with this Letter. However, should it be determined that a fee is required for any reason, the Assistant Commissioner is hereby authorized to charge it to Deposit Account No. 23-1703.

Dated: June 6, 2001

Respectfully submitted,



John M. Genova

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Enclosures:

CRF of substitute Sequence Listing (diskette)

Paper copy of substitute Sequence Listing (4 pages)

Return postcard